Contributors to This Issue

W. G. Albert, Bell Laboratories, 1951—. Mr. Albert was initially engaged in the physical design of terminal equipment for the L3 Coaxial System and microwave transmission systems. He also worked on the physical design and development of the A4 and A5 channel banks, L multiplex, mastergroup multiplex, and L4 and L5 coaxial system line repeaters. He is now supervisor of the Reliability and Digital Banks Physical Design Group. Member, IEEE.

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R. K. Bates, AT&T Long Lines, 1941–1953; Bell Laboratories, 1953—. At Bell Laboratories, Mr. Bates has worked on private-line telegraph switching systems including the 82B1 system for the U.S. Navy and the Delta Airlines reservation system. In long-haul carrier work, Mr. Bates has worked on the L4 system and, most recently, on the basic jumbogroup trunk bay for the L5 system.

Philip J. Baun, Jr., B.S.E.E., 1959, University of Wisconsin; M.S.E.E., 1961, Northeastern University; Bell Lahoratories, 1959—. Mr. Baun, a member of the Coaxial Systems Department, is responsible for the L5 transmission surveillance software. He has had previous experience in the design and development of passive networks and in the analysis and characterization of electronic circuits for toll transmission systems via analog and digital computation. Memher, IEEE, Tau Beta Pi, Eta Kappa Nu.

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Albert F. Flint, A. E., 1962, Wentworth Institute; Bell Telephone Laboratories, 1962—. Mr. Flint has worked on the design and development of precision crystal oscillators. Since 1971, he has worked mainly on the development of clock oscillators for several systems.

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John H. Green, B.S.E.E., 1966, and M.S.E.E. 1968, Northeastern University; Bell Laboratories, 1966—. Mr. Green has been involved in various terminal system developments for L-carrier systems including mastergroup multiplex and line protection switching systems. He is currently involved in digital channel bank development. Member, Tau Beta Pi.

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Charles F. Hempstead, B.S., 1949, Northwestern University; Ph.D. (Physics), 1955, Cornell University; Bell Laboratories, 1954—. Mr. Hempstead designed millimeter wavelength backward-wave oscillators and studied solids for maser applications until 1961. He was then concerned with Type II superconductors for high magnetic field generation, followed by research on visual perception of motion. Presently he supervises a group developing new applications of wideband computer-controlled test equipment for precise component characterization. Member, IEEE, Sigma Xi, Phi Beta Kappa.

Fred J. Herr, B.S.E.E., 1942, Cooper Union; M.S., 1952, Stevens Institute of Technology; Bell Laboratories, 1936—. At Bell Laboratories, Mr. Herr was first engaged in the development of measuring equipment for coaxial transmission systems. He was later concerned with system design analysis of long-haul coaxial and type-*N* short-haul carrier systems. He participated in early feasibility experiments on color television transmission on coaxial systems and worked on the design specification of new video measuring equipment. He participated in the laying of the Alaskan and second transatlantic submarine cable

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Frank C. Kelcourse, B.S.E.E., 1959, M.S.E.E., 1962, Nortbeastern University; Bell Laboratories, 1959—. Mr. Kelcourse worked initially on FDM terminals, including tbe design of transmission amplifiers, modulators, and carrier supplies, and subsequently on the design of wideband feedback amplifiers for tbe L4 line repeaters. He has supervised groups responsible for the final development of tbe L4 equalizing and remote control systems and for the equalization, planning, and design of tbe L5 system. He is currently supervisor of a systems studies and applications group responsible for analyses and applications related to analog, digital, and hybrid transmission systems. Member, Tau Beta Pi.

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Sanders was engaged in the development of coaxial transmission systems, specifically protection switching for the L4 and L5 Coaxial-Carrier Transmission Systems. At Western Electric, he is presently involved in test engineering for the voice-band interface frame and the digroup terminal for the No. 4 ESS project. Member, IEEE, Tau Beta Pi.

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